

Diego Gonzalez Castillo

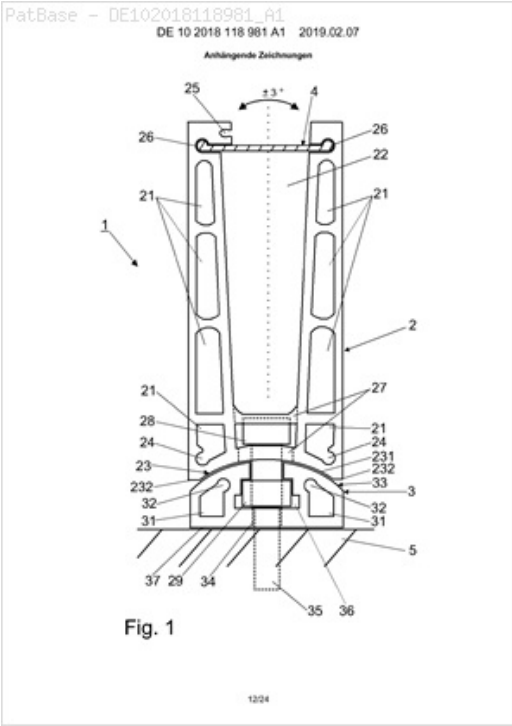
1) Family number: 73126820 (DE102018118981A1)

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Title: PROFILSYSTEM ZUR ERRICHTUNG EINES GELAENDERS ODER MONTAGE EINES VORDACHES Profile SYSTEM FOR CONSTRUCTION OF A RAILING OR MOUNTING A CANOPY (Machine translation)

Abstract: Source: DE102018118981A1 [DE] Die Erfindung betrifft ein Profilsystem (1, 10) zur Errichtung eines Gelaenders oder Montage eines Vordaches, insbesondere eines Glasgelaenders oder eines glaesernen Vordaches. Das erfindungsgemaesse Profilsystem (1, 10) ist gekennzeichnet durch ein Montageprofil (3, 7) und ein darauf anordenbares und im Querschnitt im Wesentlichen U-foermiges Aufnahmeprofil (2) mit einem durch zwei Schenkel gebildeten Aufnahmeraum (22), wobei das Aufnahmeprofil (2) eine dem Montageprofil (3, 7) zugewandte und gewoelbte Kontaktflaeche (23) aufweist und das Montageprofil (3, 7) eine dem Aufnahmeprofil (2) zugewandte und gewoelbte Kontaktflaeche (33, 72) aufweist. Machine translation: The invention relates to a profile system (1, 10) Establishing a handrail or mounting a canopy, in particular a glass railing or a glass canopy. The inventive profile system (1, 10) is characterized by a mounting profile (3, 7) and a provided therein and, in cross-section, substantially U-shaped profile (2) Receptacle with a receiving space (22) formed by two limbs, wherein the receiving section (2) a the mounting profile (3, 7) facing and curved contact surface (23) and the mounting profile (3, 7) to the receptacle (2) and curved profile facing contact surface (33, 72).

Classifications:
International (IPC 8-9): E04F11/18 (Advanced/Invention)
CPC: E04F11/1853 E04F2011/1823



Family:

Publication number	Publication date	Application number	Application date
DE102018118981 A1	20190207	DE201810118981	20180804

Priority:

DE201710117766 20170804 DE201710124382 20171019

Probable Assignee: GLOCKNER DIETER

Assignee(s): (std): GLOCKNER DIETER

Inventor(s): (std): GLOCKNER DIETER

2) Family number: 61649568 (US2017233224A)

© PatBase

Title: TRUSS CONSTRUCTION FOR A PASSENGER CONVEYOR COMPRISING A SINGLE WALL PROFILE

Abstract: A truss section (2, 3, 4), which is configured to support at least one tread element in a passenger area (30) of a passenger conveyor (15) of the type conveying passengers by moving the at least one tread element in a longitudinal direction along the passenger area (30) between a first landing and a second landing, comprises at least two longitudinal elements (5a, 5b) extending basically parallel to each other in the longitudinal direction; and at least one lateral connector (6) connecting the at least two longitudinal elements (5a, 5b). Each of the at least two longitudinal elements (5a, 5b) includes at least one load-bearing

portion (51, 52, 53) having the configuration of a single wall profile.

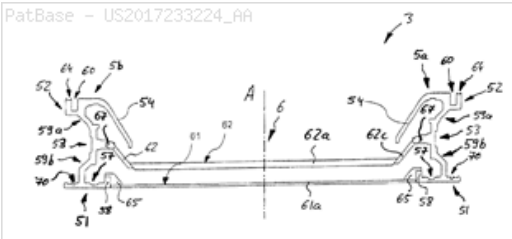
Classifications:

International (IPC 8-9): B66B21/10 B66B23/00

B66B23/14 (Advanced/Invention)

CPC: B66B21/10 B66B23/14 B66B23/00

US: 1/1 198/321



Family:

Publication number	Publication date	Application number	Application date
CN107001002 A	20170801	CN201480081051	20140807
CN107001002 B	20190326	CN201480081051	20140807
DE602014044019 D1	20190425	DE201460044019T	20140807
EP3177558 A1	20170614	EP20140747959	20140807
EP3177558 B1	20190403	EP20140747959	20140807
US2017233224 AA	20170817	US20140501570	20140807
US9950903 BB	20180424	US20140501570	20140807
WO16020006 A1	20160211	WO2014EP67013	20140807

Priority:

EP20140747959 20140807 WO2014EP67013 20140807

Probable Assignee: OTIS ELEVATOR CO

Assignee(s): (std): OTIS ELEVATOR CO ; SCHNEIDER JENNIFER

Assignee(s): BEKO ENGINEERING AND INFORMATIK AG ; OTIS ELEVATOR CO FARMINGTON ; OTIS GES MBH

Inventor(s): (std): SCHNEIDER JENNIFER ; SRB GAFFRON WALTER

Agent(s): KLUNKER SCHMITT NILSON HIRSCH; SCHMITT NILSON SCHRAUD WAIBEL WOHLFROM PATENTANWAELTE PARTNERSCHAFT MBB; CANTOR COLBURN LLP; KSNH PATENTANWAELTE KLUNKERSCHMITT NILSONHIRSCH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 30723970 (DE202004005915U1) © PatBase

Title: COVER FOR A SWIMMING POOL WITH A HANDRAIL JOINED TO THE POOL EDGE INCORPORATES ALONG ITS EDGE A PROFILE WHICH AT LEAST PARTIALLY HOOKS INTO A GROOVE PROFILE OR ENGAGES WITH AN EDGE OF A HORIZONTAL HANDRAIL GROOVE

Abstract: The cover (5) for a swimming pool (10) with a handrail (8) joined to the pool edge (11) incorporates along its edge (6) a profile (7) which at least partially hooks into the groove profile (3) or engages with the edge (4) of the horizontal handrail groove (1).

Classifications:

International (IPC 8-9): E04H4/10 (Advanced/Invention);

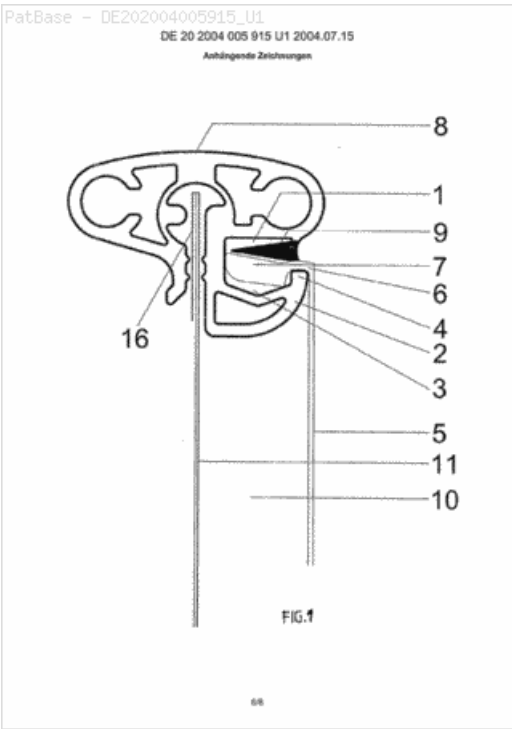
E04H4/14 (Advanced/Non-invention);

E04H4/00 (Core/Invention)

International (IPC 1-7): E04H4/10

CPC: E04H4/10 E04H2004/147

European: E04H4/10 P04H4/14L1



Family:

Publication number	Publication date	Application number	Application date
DE202004005915 U1	20040609	DE200420005915U	20040415

Priority:

DE200420005915U 20040415

Probable Assignee:

FUTURE POOL GMBH

Assignee(s): (std):

FUTURE POOL GMBH

4) Family number: 12629603 (EP0606557A1)

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Title: RAILING TO BE FIXED ON SIDE WALLS

Abstract: The present invention relates to a railing for fastening on lateral delimiting walls (50, 51), e.g. on the cheeks of a balcony or of a loggia, having fastening load-bearing members (1, 1') which are fitted fixedly on the lateral delimiting walls (50, 51) and exhibit a receiving means (2) for a transverse load-bearing member extending between the fastening load-bearing members (1, 1') which are fitted on the adjacent delimiting walls (50, 51). In order to provide a railing structure which is more lightweight, can be mounted more rapidly and easily and, as far as possible, also offers cost advantages, the invention proposes that, as transverse load-bearing member, there be provided a crossmember (10) which extends, exclusively in the upper region of the railing, between the fastening load-bearing members (1, 1') and absorbs supporting loads.

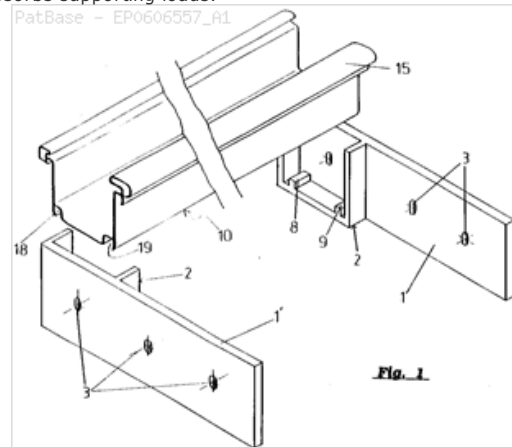
Classifications:

International (IPC 8-9): E04F11/18 (Advanced/Invention);
E04F11/18 (Core/Invention)

International (IPC 1-7): A01G9/02 E04F11/18

CPC: E04F11/181 E04F11/1812

European: E04F11/18F E04F11/18F1

**Family:**

Publication number	Publication date	Application number	Application date
AT149228 E	19970315	AT19930118628T	19931119
DE4300823 A1	19940721	DE19934300823	19930115
DE59305541 D1	19970403	DE19935005541	19931119
EP0606557 A1	19940720	EP19930118628	19931119
EP0606557 B1	19970226	EP19930118628	19931119
EP0606557 B2	20030507	EP19930118628	19931119
LV11911 A	19971220	LV19970000083	19970502
LV11911 B	19980620	LV19970000083	19970502

Priority:

DE19934300823 19930115 DE19935005541 19931119

Probable Assignee: SKS STAKUSIT KUNSTSTOFF GMBH**Assignee(s):** (std): SKS STAKUSIT KUNSTSTOFF GMBH ; SKS STAKUSIT KUNSTSTOFF GMBH AND**Assignee(s):** SKS STAKUSIT KUNSTSTOFF GMBH AND CO KG 64331 WEITERSTADT DE ; SKS STAKUSIT KUNSTSTOFF GMBH AND CO KG 64331 WEITERSTADT ; SKS STAKUSIT KUNSTSTOFF GMBH AND CO KG 64331 WEITE ; SKS STAKUSIT KUNSTSTOFF GMBH AND CO KG**Inventor(s):** (std): HOFFMANN EKKEHARD ; HOFFMANN EKKEHARD ; EKKEHARD HOFFMANN**Inventor(s):** HOFFMANN EKKEHARD D 64331 WEITERSTADT DE ; HOFFMANN EKKEHARD 6108 WEITERSTADT**Designated states:** AT BE CH DE ES FR GB IT LI NL PT**5) Family number: 28420841 (EP1302369A2)**

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Title: DECKENVERKLEIDUNGS- UND LUFTLEITSYSTEM

Abstract: The roof lining and air duct system for large vehicles comprises mounting profiles (12, 13) attached to the bodywork where the roof (7) meets the side wall (8). Cladding profiles (9, 10) are attached to these so that they overlap with a small gap (15). The upper profile is mounted so that there is a second gap (16) between its upper end and the roof and an air duct (17) is formed between the two.

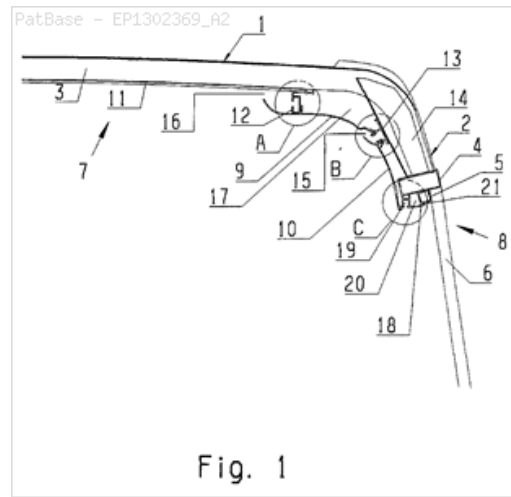
Classifications:

International (IPC 8-9): B60H1/00 B60R13/02

B60R5/00 (Advanced/Invention);

B60R21/00 (Advanced/Non-invention);

B60H1/00 B60R13/02 B60R5/00 (Core/Invention);
B60R21/00 (Core/Non-invention)
International (IPC 1-7): B60H1/00 B60R13/02 B60R5/00 B62D31/02
CPC: B60H1/00371 B60H1/00564 B60H1/245 B60H2001/00235
B60R5/003 B60R13/0206 B60R13/0225 B60R13/0231 B60R2013/0281
B60R2013/0287 B60R2013/0293 B60R2021/0067
European: B60H1/00H2 B60H1/00S2A B60R13/02C2 B60R5/00B
L60H1/00A3J L60R13/02B L60R13/02C3 L60R13/02Q L60R13/02R
L60R13/02T L60R21/00T2



Family:

Publication number	Publication date	Application number	Application date
AT299813 E	20050815	AT20020019402T	20020830
DE10152659 A1	20030417	DE20011052659	20011016
DE50203666 D1	20050825	DE20025003666	20020830
EP1302369 A2	20030416	EP20020019402	20020830
EP1302369 A3	20040609	EP20020019402	20020830
EP1302369 A8	20030625	EP20020019402	20020830
EP1302369 B1	20050720	EP20020019402	20020830
ES2243632 T3	20051201	ES20020019402T	20020830
PL356530 A1	20030422	PL20020356530	20021008
PT1302369 T	20051031	PT20020019402T	20020830

Priority:

DE20011052659 20011016 DE20025003666 20020830

Probable Assignee: HAPPICH FAHRZEUG U INDUSTRIETEILE GMBH

Assignee(s): (std): HAPPICH FAHRZEUG AND IND TEILE ; HAPPICH FAHRZEUG U INDUSTRIETEILE GMBH ; HAPPICH INTERIORS GMBH ; HAPPICH INTERIOS GMBH

Inventor(s): (std): JAECKEL HELMUT ; GEBEL THOMAS ; MARCUS ARMIN ; DIEHL CHRISTIAN ; SCHULZ FRITZ GUENTHER ; SCHULZ FRITZ GUENTHER ; CHRISTIAN DIEHL ; JACKEL HELMUT ; GUENTHER SCHULZ FRITZ ; SCHULZ FRITZ GUNTHER

Inventor(s): HELMUT JACKEL ; ARMIN MARCUS ; THOMAS GEBEL

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

6) Family number: 44977881 (CH699739B)

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Title: HANDRAIL I.E. PARTIALLY STRAIGHT, CURVED AND/OR ANGLED PROFILE, FOR USE AS SUPPORTING ASSISTANCE FOR PERSON DURING WALKING IN STAIRCASE, HAS FASTENING UNIT ARRANGED IN GROOVE IN AXIAL DIRECTION AND RADIAL DIRECTION

Abstract: The handrail (10) has grooves (12) longitudinally extending in an axial direction, and a flush-upper surface or counter-sunk fastening unit that is provided with a guide profile (14), a console (16) or a holder. The fastening unit is arranged in the groove in the axial direction and radial direction. A conical screwed thread is provided at a region of the guide profile and/or or tube profile or solid profile. A headless screw is formed in the screwed thread, and a connecting element is screwed in the screwed thread. The handrail and/or screw joint- or connection material consists of stainless steel, chrome steel, aluminum or aluminum alloy brass, plastic, rubber and/or wood.

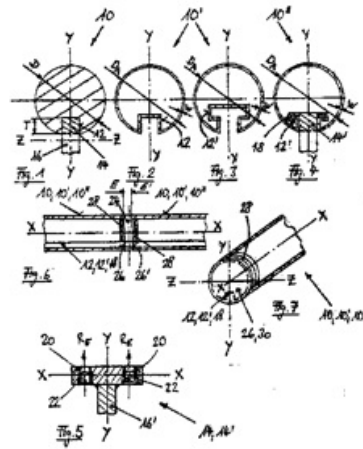
Classifications:

International (IPC 8-9): E04F11/18 (Advanced/Invention);

E04F11/18 (Core/Invention)

CPC: E04F11/1836

European: E04F11/18F3

**Family:**

Publication number	Publication date	Application number	Application date
CH699739 B1	20100430	CH20060001160	20060718

Priority:

CH20060001160 20060718

Probable Assignee:

MATTMUELLER PAUL

Assignee(s): (std):

MATTMUELLER PAUL

Assignee(s):

PAUL MATTMUELLER

Inventor(s): (std):

MATTMUELLER PAUL

Inventor(s):

PAUL MATTMUELLER

7) Family number: 17720462 (DE29516671U1)

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Title: Loggia railing

Abstract: Source: DE29516671U1 [DE] (Claim 1) 1. Loggia-Gelaender zur Montage und Befestigung an den beidseitigen Begrenzungswaenden der Loggia mittels Wandhaltern, welche die sich zwischen den Begrenzungswaenden erstreckenden Gelaenderteile aufnehmen, dadurch gekennzeichnet, dass das Gelaender (1) freitragend ausgebildet ist und aus einem Handlauf (6) und einem von der Bodenplatte (7) der Loggia (8) beabstandeten und von der Bodenplatte (7) verbindungsformigen Fussprofil (9) bestehen, die ausschliesslich an den seitlichen Begrenzungswaenden (2,3) mittels den Wandhaltern (4,5) befestigbar und zwischen/an denen die senkrechten Pfosten (10) sowie die Verkleidung (11) mittel- oder unmittelbar anordenbar sind.

Machine translation: (Claim 1) 1 Medium-wall spacers balcony railing for assembly and attachment to the two-sided Begrenzungswaenden the loggia, which may arise between the Begrenzungswaenden extending Gelaenderteile aufnehmen, characterized in that the railings (1) is formed self-supporting and a handrail (6) and one of the base plate (7) of the loggia (8) and spaced from the bottom plate (7) links for land base profile (9) exist, the swerving liess on the side Begrenzungswaenden (2.3) using the wall brackets (4.5) attached between and / or in which the vertical posts (10) and the cladding (11) are directly or indirectly can be arranged.

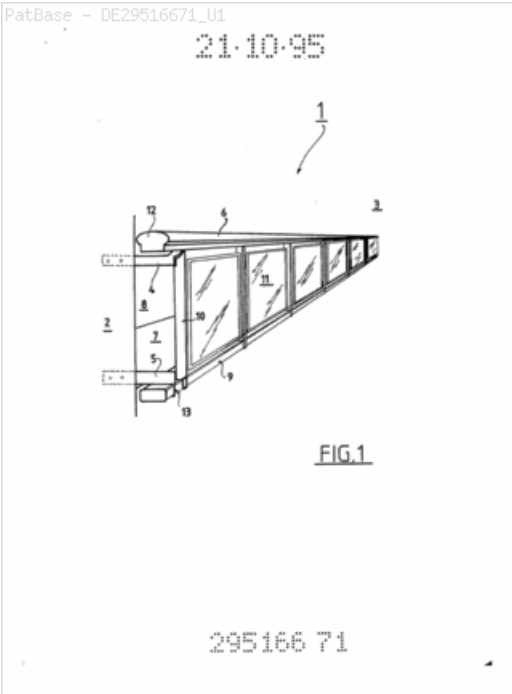
Classifications:

International (IPC 8-9): E04D13/064 E04F11/18 (Advanced/Invention);
E04D13/064 E04F11/18 (Core/Invention)

International (IPC 1-7): E04F11/18

CPC: E04D13/064 E04F11/1812 E04F11/1838

European: E04D13/064 E04F11/18F1 P04F11/18F3B



Family:

Publication number	Publication date	Application number	Application date
DE29516671 U1	19960201	DE19952016671U	19951021

Priority:

DE19952016671U 19951021

Probable Assignee: HAGAL VERWALTUNGS GMBH AND CO KG

Assignee(s): (std): HAGAL VERWALTUNGS GMBH AND CO KG

Assignee(s): HAGAL VERWALTUNGS GMBH AND CO KG 68219 MANNHEIM DE ; HAGAL VERWALTUNGS GMBH AND CO 68219 MANNHEIM DE KG

8) Family number: 2086099 (DE3106253A1)

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Title: HEAT-ABSORBENT HANDRAIL OR FENCE

Abstract: As heat-absorbent handrail or fence, use is made of a conventional handrail or fence structure comprising extruded aluminium profiles which, in the crossmember and/or in the filler elements and/or in the posts, have brine ducts for absorbing heat from the surroundings.

Classifications:

International (IPC 8-9): E04F11/18 F24J2/00

F24J2/04 (Advanced/Invention);

E04F11/18 F24J2/00 F24J2/04 (Core/Invention)

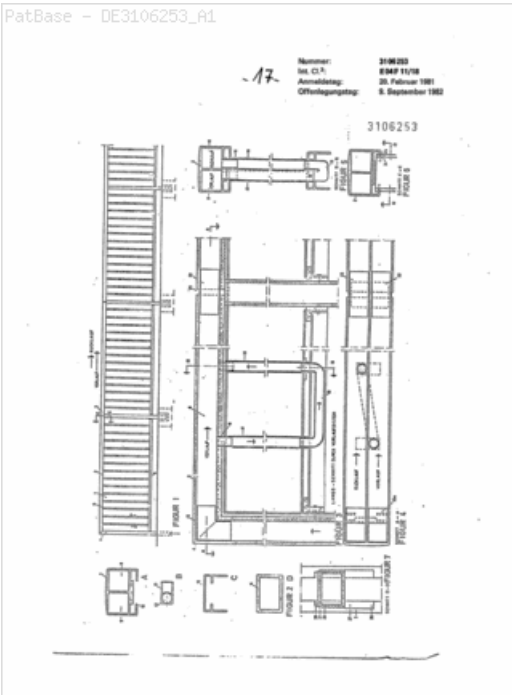
International (IPC 1-7): E04F11/18 E04H17/00

CPC: F24S20/40 F24S20/62 E04F11/18 E04F2011/1878 Y02B10/20

Y02E10/44

European: E04F11/18 F24J2/00E F24J2/04B4 P04F11/18T6 Y02B10/20

Y02E10/44



Family:

Publication number	Publication date	Application number	Application date
DE3106253 A1	19820909	DE19813106253	19810220

Priority:

DE19813106253 19810220

Probable Assignee:

SPIEKER HEINZ

Assignee(s): (std):

SPIEKER HEINZ

Inventor(s): (std):

SPIEKER HEINZ

9) Family number: 2476467 (DE2547424A1)

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Title: ZWEITEILIGER HANDLAUF FUER GELAENDER, INSBESONDERE BRUECKENGELAENDER TWO PIECE HAND RAIL for railings, ESPECIALLY BRUECKENGELAENDER (Machine translation)

Abstract: Source: DE2547424A1 [DE] Patentansprueche 1)Zweiteiliger Handlauf fuer Gelaender, vorzugsweise aus Leichtmetall, beispielsweise Aluminium, insbesondere Brueckengelaender, bestehend aus einem unteren, zur Be festigung von Fuellstaeben, Pfosten, Platten und dgl dienenden nach oben offenen Profil und einem oberen, zur Abdeckung des unteren verwendeten nach unten offenen Profils, dadurch gekennzeichnet, dass Ober- und Unterprofil durch eine Nut-Feder-Verbindung zwischen diesen beiden Profilen und / oder zwischen einem der Profile und einem Zusatzprofil sowie durch eine ueber die Gelaenderlaenge stellenweise Verschraubung mit einander verspannt sind 2.

Machine translation: Claims 1) Two-piece handrail for railings, preferably made of light metal such as aluminum, in particular Brueckengelaender, consisting of a lower, to Be fastening of cross bars, posts, boards and the like serving up open section and a top, to cover the bottom used to below open ent profiles, wherein the upper and lower profile by a tongue and groove connection between these two profiles and / or between the water profiles and an additional profile and are braced by an over the Gelaenderlaenge places screwing with each second

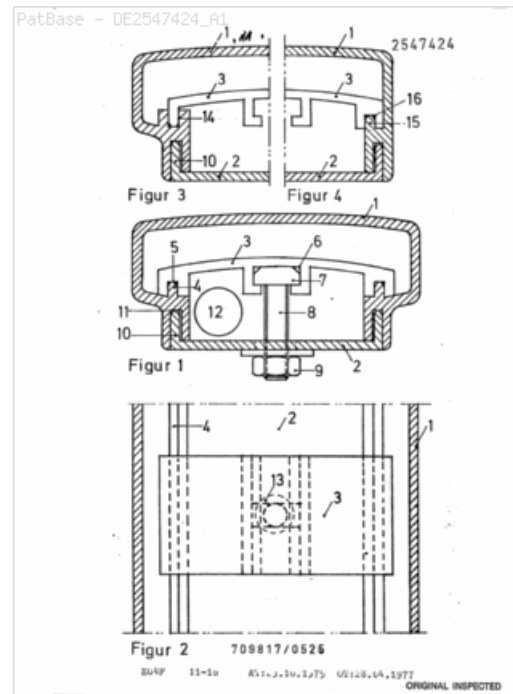
Classifications:

International (IPC 8-9): E01D19/10 E04F11/18 (Advanced/Invention); E01D19/00 E04F11/18 (Core/Invention)

International (IPC 1-7): E01D19/10 E04F11/18

CPC: E01D19/103 E04F11/1836 E04F2011/1882

European: E01D19/10B E04F11/18F3 P04F11/18T8

**Family:**

Publication number	Publication date	Application number	Application date
DE2547424 A1	19770428	DE19752547424	19751023

Priority:

DE19752547424 19751023

Probable Assignee:

SPIEKER HEINZ

Assignee(s): (std):

SPIEKER HEINZ

Inventor(s): (std):

SPIEKER HEINZ

10) Family number: 42661623 (EP2003265B1)

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Title: System of balustrade, ramp or similar Système de balustrade, rampe ou analogue

Abstract: Source: EP2003265A3 [FR] La presente invention a pour objet un systeme de balustrade, rampe ou analogue. Ce systeme est compose d'au moins deux poteaux supportant une main courante ou barre d'appui superieure et entre lesquels s'etend au moins un element de remplissage surfacique et/ou plusieurs elements d'entretoisement allonges, mutuellement

espaces sur la hauteur desdits poteaux et solidarises avec ces derniers au niveau de points de fixation, la main courante et/ou les elements d'entretoisement etant constitue(e)s par plusieurs segments ou parties assemblees bout a bout, systeme caracterise en ce qu'il comprend egalement une ou plusieurs pieces d'assemblage (1) reliant rigidement bout a bout les segments et/ou parties (17', 19') formant la main courante (17) et/ou les elements d'entretoisement (19), chaque piece d'assemblage etant composee d'une premiere partie (2) adaptee pour etre emboitee a force dans un orifice cylindrique (3), borgne ou traversant, d'un premier corps (4) et d'une seconde partie (5) adaptee pour etre emboitee a force dans un orifice cylindrique (6), borgne ou traversant, d'un second corps (7).

Classifications:

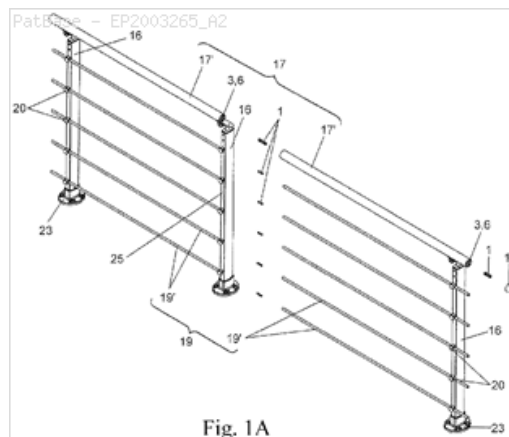
International (IPC 8-9): E04F11/18 F16B19/00

F16B7/04 (Advanced/Invention);

E04F11/18 F16B19/00 F16B7/04 (Core/Invention)

CPC: E04F11/1817 E04F11/1836 E04F11/1842 E04F11/1851 F16B4/004 F16B7/0413

European: E04F11/18F2 E04F11/18F3 E04F11/18F5 E04F11/18F6 R16B4/00P R16B7/04B2



Family:

Publication number	Publication date	Application number	Application date
DE602008026575 D1	20131002	DE200860026575T	20080612
EP2003265 A2	20081217	EP20080305253	20080612
EP2003265 A3	20100224	EP20080305253	20080612
EP2003265 B1	20130807	EP20080305253	20080612
FR2917470 A1	20081219	FR20070004300	20070615
FR2917470 B1	20120706	FR20070004300	20070615

Priority:

FR20070004300 20070615 EP20080305253 20080612

Probable Assignee: BURGER ET CIE SOC PAR ACTIONS

Assignee(s): (std): BURGER ET CIE ; BURGER ET CIE SOC PAR ACTIONS ; BURGER ET CIE SOC PAR ACTIONS SIMPLIFIEE

Assignee(s): BURGER ET CIE SOCIETE PAR ACTIONS SIMPLIFIEE

Inventor(s): (std): BURGER BERTRAND

Inventor(s): BERTRAND BURGER

Agent(s): BRP RENAUD U PARTNER MBB; NUSS PIERRE; CABINET NUSS

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

11) Family number: 34604380 (FR2333106A)

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Title: SPIRAL STAIR BANISTER WITH BALUSTERS - HAS HANDRAIL PROFILE WEB SECURED IN BALUSTER SLOTS BY SCREWS THROUGH BALUSTER AND WEB

Abstract: The bannister is particularly intended for a spiral staircase and is of the type comprising balusters (10) and a handrail (11). The handrail profile has a web (12) fitting in a slot (13) in each of the balusters and is secured therein by a screw (14) through the baluster and the web. The handrail may consist of a metal T-profile (15), preferably in light metal such as aluminium, whose flange is surrounded by a C-profile plastic cover (16). The baluster may have a bore (17) for the screw, the web bore (20) being drilled after fitting the web in the slot, whereupon the connection is made by a self-tapping screw (14).

Classifications:

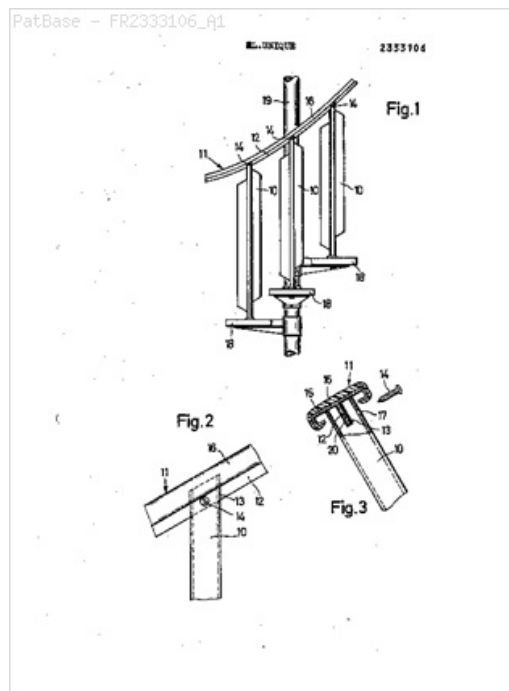
International (IPC 8-9): E04F11/18 (Advanced/Invention);

E04F11/18 (Core/Invention)

International (IPC 1-7): E04F11/18

CPC: E04F11/181

European: E04F11/18F

**Family:**

Publication number	Publication date	Application number	Application date
AT353462 B	19791112	AT19760008467	19761115
AT846776 A	19790415	AT19760008467	19761115
DE7537972 U	19760708	DE19750037972U	19751128
FR2333106 A1	19770624	FR19760035085	19761122
NL7611879 A	19770601	NL19760011879	19761027

Priority:

DE19750037972U 19751128 DE19757537972U 19751128

Probable Assignee: WILHELM HENKE KG 4991 ALSWEDE**Assignee(s):** (std): HENKE KG WILHELM ; HENKE WILHELM KG

Assignee(s): WILHELM HENKE KG ; WILHELM HENKE KG 4991 ALSWEDE ; WILHELM HENKE TE ALSWEDE BONDSREPUBLIC KG ; WILHELM HENKE TE ALSWEDE BONDSREPUBLIC DUITSLAND ; WILHELM HENKE KG TE ALSWEDE BONDSREPUBLIC DUITSLA ; WILHELM HENKE KG TE ALSWEDE BONDSREPUBLIC DUITSLAND

12) Family number: 49822743 (NL2006128C)

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Title: GEVELPROFIEL, GEVELBEKLEDING, GEVEL EN WERKWIJZE VOOR HET MODULAIR BEKLEDEN VAN EEN GEVEL.

Abstract: Source: NL2006128C [NL] DE ONDERHAVIGE UITVINDING HEEFT BETREKKING OP EEN GEVELPROFIEL, GEVELBEKLEDING, GEVEL EN WERKWIJZE DAARVOOR. HET GEVELPROFIEL VOLGENS DE VINDING OMVATTENDE: TEN MINSTE EEN GROEF VOORZIEN VAN EEN VORM WAARIN EEN STIJLPROFIEL OF KLEM PROFIEL KLEM BAAR PLAATSBAAR IS; EN BEVESTIGINGSMIDDELEN VOOR HET VERPLAATSBAAR BEVESTIGEN VAN HET PROFIEL AAN EEN GEVEL. HET GEVELPROFIEL OMVAT BIJ VOORKEUR EEN AANTAL INWENDIGE KAMERS EN EVENEENS BIJ VOORKEUR EEN AANTAL VERDIKKINGEN VOOR HET BEVESTIGEN VAN EEN PANEEL. DIT OCTROOI IS VERLEEND ONGEACHT HET BIJGEVOEGDE RESULTAAT VAN HET ONDERZOEK NAAR DE STAND VAN DE TECHNIEK EN SCHRIFTELIJKE OPINIE. HET OCTROOISCHRIFT KOMT OVEREEN MET DE OORSPRONKELIJK INGEDIENDE STUKKEN. **Machine translation:** THE PRESENT INVENTION RELATES TO A WALL PROFILE, SIDING, WALL AND METHOD THEREFOR. THE WALL PROFILE ACCORDING TO THE INVENTIVE INCLUDING: AT LEAST ONE SLOT PROVIDED WITH A FORM OF A STYLE PROFILE OR CLAMP PROFILE CLIP BAAR positionable; AND FASTENERS FOR MOVABLE MOUNTING PROFILE TO A WALL. THE WALL PROFILE INCLUDES PREFERABLY A NUMBER OF INTERIOR ROOM AND ALSO PREFERABLY A number of bulges FOR FIXING A PANEL. THIS PATENT GRANTED IN ANY ACCOMPANYING THE RESULT OF THE EXAMINATION OF THE PRIOR ART AND WRITTEN OPINION. PATENT OF DEFENCE AGREES WITH ORIGINAL DOCUMENTS SUBMITTED.

Classifications:**International (IPC 8-9):** E04B2/96 E04F13/08 (Advanced/Invention)

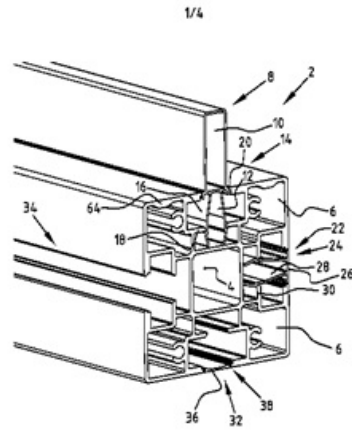


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
NL2006128 C	20110808	NL20112006128	20110203
NL2006128 C2	20110808	NL20112006128	20110203

Priority:

NL20101037694 20100205 NL20102005270 20100826 NL20112006128 20110203

Probable Assignee:

TOORN ROELOF

Assignee(s): (std):

TOORN ROELOF

Inventor(s): (std):

TOORN ROELOF

13) Family number: 1687375 (DE2801626A1)

© PatBase

Title: HANDRAIL BENDABLE IN SMOOTH CURVE - HAS TWO SIDE PLATES CONNECTED BY SPACER ELEMENTS AND SURROUNDED BY COVER MADE OF FLEXIBLE MATERIAL

Abstract: The handrail is designed to be formed into an optional curve such as a smooth spiral or the like. The structure may be added for forming a plane curve such as circle or ellipse or the like, or a cubic curve such as spiral ascending with a constant pitch. The structure of an optional curve is applicable to the handrails of the spiral stairs of building, or the rails of various curve in ships, flower beds and/or the like. The handrail has two profiled side plates made of aluminium and joined together by clips at top and bottom. The clips have holes to accommodate bolts holding the handrail in place. The flexible cover has its top surface thicker than its sides and is pref. made of polyvinyl chloride.

Classifications:

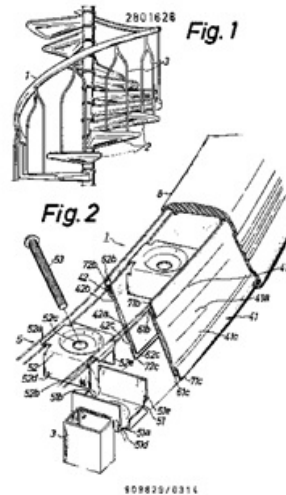
International (IPC 8-9): E04F11/18 (Advanced/Invention);

E04F11/18 (Core/Invention)

International (IPC 1-7): E04F11/18

CPC: E04F11/184

European: E04F11/18F3H

**Family:**

Publication number	Publication date	Application number	Application date
DE2801626 A1	19790719	DE19782801626	19780114
DE2801626 C2	19851017	DE19782801626	19780114

Priority:

DE19782801626 19780114

Probable Assignee: TAKENAGA SENZO
Assignee(s): (std): TAKENAGA SENZO
Assignee(s): TAKENAGA SENZO YOKOSUKA KANAGAWA JP
Inventor(s): (std): TAKENAGA SENZO
Inventor(s): TAKENAGA SENZO YOKOSUKA KANAGAWA JP

14) Family number: 62653266 (DE102014118480A1)

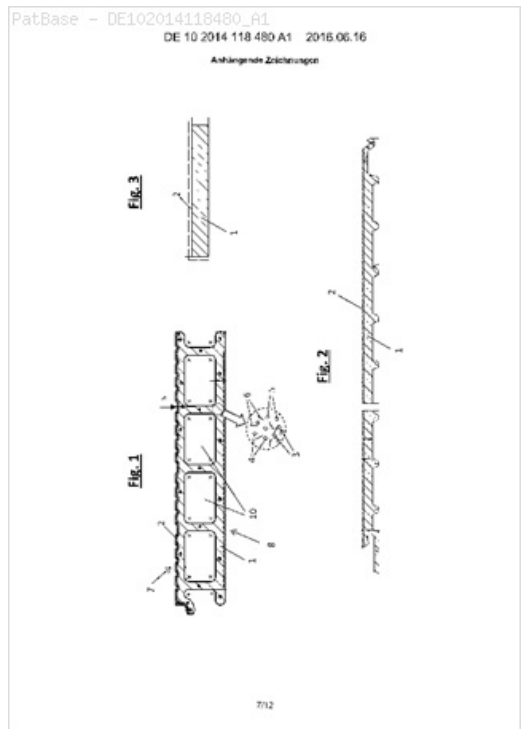
© PatBase

Title: EXTRUSIONSPROFIL SOWIE VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN PROFILS EXTRUSION PROFILE AND METHOD FOR PRODUCING SUCH PROFILE (Machine translation)

Abstract: Source: DE102014118480A1 [DE] Die Erfindung betrifft ein geschäumtes Extrusionsprofil. Dieses weist erfindungsgemäss einen Kern (1) aus einem geschäumten WPC-Kernmaterial und eine mit dem Kern (1) coextrudierte, den Kern (1) zumindest teilweise bedeckende äussere Deckschicht (2) aus einem ungeschäumten WPC-Deckschichtmaterial auf. Gegenstand der Erfindung ist auch ein Verfahren zur Herstellung eines solchen Extrusionsprofils. **Machine translation:** The invention relates to a foamed extrusion profile. This has erfindungsgemäss a core (1) made of a foamed core material and a WPC with the core (1) co-extruded, the core (1) at least partially covering outer cover layer (2) made of a non-cellular outer layer WPC material. The invention also provides a process for producing such an extrusion profile.

Classifications:

International (IPC 8-9): B29C44/20 B29C44/24 B29C44/50
 B29C47/06 (Advanced/Invention)
CPC: B29K2023/12 B29K2105/0076 B29K2311/14 B29K2995/0063
 B29L2031/005 B29K2105/04 B29C44/24 B29C44/505 B29C48/09
 B29C48/11 B29C48/12 B29C48/19 B29C48/21



Family:

Publication number	Publication date	Application number	Application date
DE102014118480 A1	20160616	DE201410118480	20141212

Priority:

DE201410118480 20141212

Probable Assignee: REHAU AND CO AG

Assignee(s): (std): REHAU AND CO AG

Inventor(s): (std): FISCHER KATJA ; HERMANN ANDREAS ; ZEEH JUERGEN

15) Family number: 33588251 (DE202006011494U1)

© PatBase

Title: STEEL WALL POOL WITH COMBINATION HANDRAIL HAS INNER SLEEVE WITH U-SHAPED PROFILE EDGE CLAMPED BETWEEN VERTICAL GROOVE, BOTH SIDES OF UPPER SIDE PANEL REGION, COVER/REPLACEMENT INNER SLEEVE WITH THICKER EDGE INSERTED IN HORIZONTAL GROOVE

Abstract: The pool has a combination handrail that is pushed onto the side panels (1) of the pool consisting of a profile strip (2) with at least one horizontal groove (21) that expands on the inside, a vertical groove (22) in the profile strip, an inner sleeve (3) with a U-shaped profiled edge clamped between the vertical groove and both sides of the upper region of the side panels and a cover (4) and/or a replacement inner sleeve with a thickened edge region inserted into the horizontal groove.

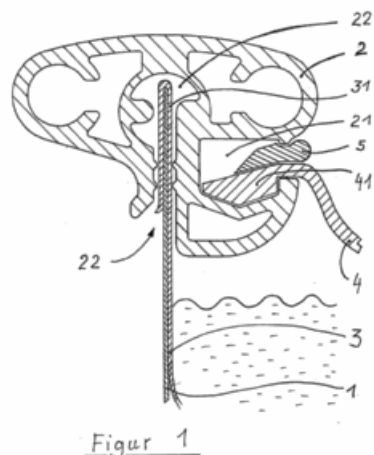
Classifications:

International (IPC 8-9): E04H4/14 (Advanced/Invention);

E04H4/00 (Core/Invention)

CPC: E04H4/0018 E04H4/142 E04H2004/147

European: E04H4/00C E04H4/14A1 P04H4/14L1



Figur 1

118

Family:

Publication number	Publication date	Application number	Application date
DE202006011494 U1	20061005	DE200620011494U	20060727

Priority:

DE200620011494U 20060727

Probable Assignee:

FUTURE POOL GMBH

Assignee(s): (std):

FUTURE POOL GMBH

16) Family number: 641956 (FR1564742A)

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Abstract: Source: FR1564742A [FR] (Claim 1) 1. Garde-corps, caracterise en ce qu'il est constitue par une barriere dont les barreaux verticaux sont articules par leurs extremités, d'une part a un profile superieur ou main courante et, d'autre part, a un profile inferieur ou lisse basse, la main courante etant pincee a l'extremite superieure de barreaux-supports ancrés dans le sol et equipes lateralement de moyens de fixation de la lisse basse.

Machine translation: (Claim 1) 1. Railing, characterized in that it is constituted by a barrier whose vertical bars are articulated by their ends, on the one hand has an upper profile or handrail and, on the other hand, has a profile less than or smooth low, the handrail being a pinch the upper end of support bars anchors in the ground laterally and equipped with means for fixing the sill.

Classifications:

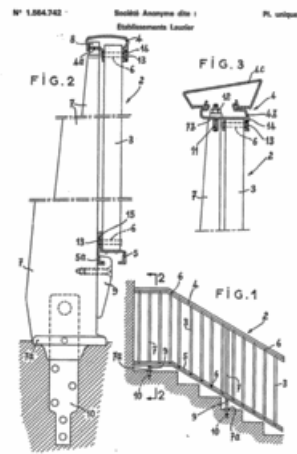
International (IPC 8-9): E04F11/18 (Advanced/Invention);

E04F11/18 (Core/Invention)

International (IPC 1-7): E04F11/18

CPC: E04F11/181

European: E04F11/18F

**Family:**

Publication number	Publication date	Application number	Application date
FR1564742 A	19690425	FR19689049646	19680214

Priority:

FR19686949646 19680214 FR19689049646 19680214

17) Family number: 27919876 (CN2532185Y)

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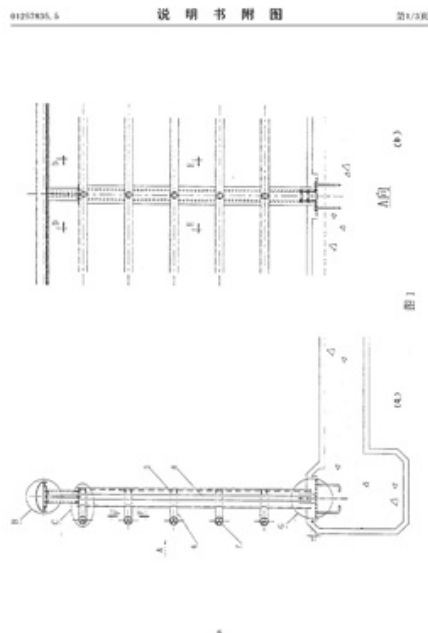
Title: Aluminium alloy fence

Abstract: The utility model relates to an aluminum alloy guardrail, comprising a column, a handrail strip and a plurality of rails. The utility model is characterized in that the column is composed of a main column (5) and a handrail neck (3) that is butt jointed on the upper end of the main column (5) by means of a butt-jointing cover (4); the handrail strip (1) is a whole stop of aluminum profile whose cross section is falcate-shaped; the handrail strip (1) is buttoned and connected with the handrail neck (3) by means of an entrusting button (2) as a whole; a plurality of small rails (7) are respectively connected with the main column (5) by means of corresponding connecting rods (8). As the utility model is made of specially designed various aluminum alloy profiles, the utility model realizes the balcony and the guardrail of the balcony to be aluminum-alloyed. The utility model has advantages of compact structure, simple appearance, various color, light weight and low cost. Thus, the utility model is applicable to be produced in mass.

Classifications:

International (IPC 8-9): E04H17/14 (Advanced/Invention);
E04H17/14 (Core/Invention)

International (IPC 1-7): E04H17/14



Family:

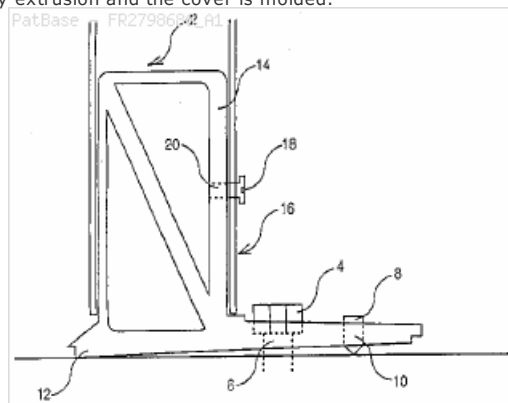
Publication number	Publication date	Application number	Application date
CN2532185 Y	20030122	CN20012057835U	20011103

Priority:

CN20012057835U 20011103

Probable Assignee: SHENZHEN PAICHENG ALUMINIUM IN**Assignee(s):** (std): SHENZHEN PAICHENG ALUMINIUM IN ; SHENZHEN PAICHENG ALUMINIUM TECHNOLOGY CO LTD**Assignee(s):** SHENZHEN PAICHENG ALUMINIUM INDUSTRY SCIENCE AND T ; SHENZHEN PAICHENG ALUMINIUM INDUSTRY SCIENCE AND TECHNOLOGY CO**Inventor(s):** (std): LUO CHAO ; LI XIANJUN ; ZHANG DEWAN**Inventor(s):** XIANJUN LI ; DEWAN ZHANG ; CHAO LUO**18) Family number: 13456049 (FR2798686A)**

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Title: Handrail plate with extruded sabot and molded cover comprises systems for fixing plate to masonry and to upright and perpendicularity adjustment system**Abstract:** The handrail plate comprises a sabot (2) composed of a system (4,6) for fixing the plate to the masonry, a system (18,20) for fixing the plate on the upright and an adjustment system (8,10) for the perpendicularity of the handrail. A cover hides the sabot and the fixing and adjustment systems. The sabot is obtained by extrusion and the cover is molded.**Classifications:****International (IPC 8-9):** E04F11/18 (Advanced/Invention)**International (IPC 1-7):** E04F11/18**CPC:** E04F11/1812**European:** E04F11/18F1**Family:**

Publication number	Publication date	Application number	Application date
FR2798686 A1	20010323	FR19990011559	19990916

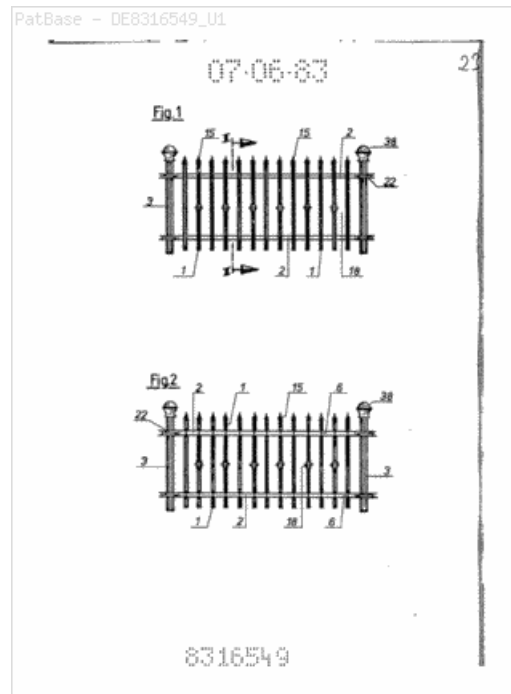
Priority:

FR19990011559 19990916

Probable Assignee: SKS STAKUSIT KUNSTSTOFF GMBH**Assignee(s):** (std): SKS STAKUSIT KUNSTSTOFF GMBH**Assignee(s):** SKS STAKUSIT KUNSTSTOFF GMBH CO KG**Inventor(s):** (std): BENEDIK FRANCIS**19) Family number: 16522666 (DE8316549U1)**

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Title: BAUELEMENTESATZ FUER EINEN ZAUN, EIN GITTER, EIN GELAENDER OD. DGL. ABGRENZUNGEN KIT COMPONENTS FOR A FENCE, A GRILLE, A railing OD. DGL. DEFERRED INCOME (Machine translation)**Abstract:** Source: DE8316549U1 [DE] (Claim 1) Bauelementesatz fuer einen Zaun, ein Gitter, ein Gelaender oder dergleichen Abgrenzungen 1. Bauelementesatz fuer einen Zaun, ein Gitter, ein Gelaender oder dergleichen Abgrenzungen aus mindestens einem zwischen zwei Pfosten oder dergleichen festlegbaren Querholm und ueber Halteorgane an dem Querholm in gewuenschem Abstand zueinander befestigbare, vertikale Gitterstaebe, dadurch gekennzeichnet, dass die Gitterstaebe (1) jeweils eine in Laengsrichtung verlaufende Nut (4) aufweisen, die in ihrem Spalt (5) schmaeler als in dem dahinterliegenden Querschnittsbereich ist, dass in die Nut (4) die Endbereiche (7) des den Querholm (2) buegelfoermig umgreifenden Halteorgans (6) eingreifen, und dass die in die Nut (4) eingefuehrten Endbereiche (7) des Halteorgans (6) mittels eines zwischen dem Scheitelpunkt (8) des Halteorgans (6) und dem Querholm (2) wirkenden Stell- mittels (9) klemmend an die Nutwand angepresst sind.**Machine translation:** (Claim 1) set of components for a first fence, a trellis, a railing or similar expenses Components set for a fence, a trellis, a railing or the like deferrals from at least one between two poles or the like definable cross member and about holding members of the cross member at a desired distance from each other attachable vertical Gitterstaebe, characterized in that the Gitterstaebe (1) each in Laengsrichtung extending groove (4) which engage in their gap (5) is narrower than in the underlying cross-sectional area, that in the groove (4) the end portions (7) of the cross member (2) 'buegelfoermig encompassing retaining member (6), and that in the groove (4) is leading end portions (7) of the holding organs (6) using a between the vertex (8) of the retaining member (6) and the cross member (2) are manipulated by means of (9) locking on the groove wall are pressed.**Classifications:****International (IPC 8-9):** E04H17/14 (Advanced/Invention);



Family:

Publication number	Publication date	Application number	Application date
DE8316549 U1	19841004	DE19830016549U	19830607

Priority:

DE19830016549U 19830607

Probable Assignee: KREUSEL ULRICH 6531 GENSINGEN DE

Assignee(s): KREUSEL ULRICH 6531 GENSINGEN DE

20) Family number: 18016283 (EP0798419A1)

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Title: ACCESSIBLE AND/OR PRACTICABLE DEVICE

Abstract: The roadway is assembled from modular components made of extruded aluminium and profiled for load carrying. The sides of the roadway are fitted with handrails (3) mounted on supports (2) all of extruded aluminium. The roadway sections are constructed from sub-sections welded together into self supporting structures. The sections are joined by cross bolts through interlocking edge profiles, with the interlocking profiles comprising tooth shaped edges.

Classifications:

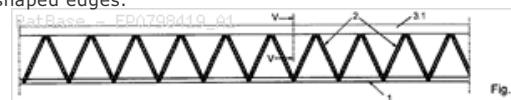
International (IPC 8-9): E01D15/133 E01D19/10 (Advanced/Invention);

E01D15/00 E01D19/00 (Core/Invention)

International (IPC 1-7): E01D101/34 E01D15/133 E01D19/10 E01D21/00 E04F11/18

CPC: E01D15/133 E01D19/103 E01D19/106 E01D21/01/34

European: E01D15/133 E01D19/10B E01D19/10C P01D101/34



Family:

Publication number	Publication date	Application number	Application date
AT232930 E	20030315	AT19970104476T	19970315
DE19625819 A1	19971002	DE19961025819	19960628
DE59709324 D1	20030327	DE19975009324	19970315
DK0798419 T3	20030602	DK19970104476T	19970315
EP0798419 A1	19971001	EP19970104476	19970315
EP0798419 B1	20030219	EP19970104476	19970315
ES2192629 T3	20031016	ES19970104476T	19970315

Priority:

DE19961012254 19960327 DE19961025819 19960628 DE19975009324 19970315

Probable Assignee: MAIER GMBH PETER

Assignee(s): (std): MAIER GMBH PETER

Assignee(s): PETER MAIER LEICHTBAU GMBH ; PETER MAIER LEICHTBAU GMBH 78239 RIELASINGEN WORBL ; PETER MAIER LEICHTBAU GMBH 78239 RIELASINGEN WORBLINGEN DE

Inventor(s): (std): MAIER PETER

Designated states: AT CH DE DK ES FI FR GB IE IT LI NL SE

Title: RAILING OR BARRIER

Abstract: A balcony or terrace safety rail and barrier consists of rectangular or circular upright posts with horizontal top-bars (2) and a fill-in grid (3). The rectangular upright post has an aperture (4) near the top on each side receiving a push-fit horizontal bar with an internal locking screw. The lower face of the bar (2) has an elongated slit receiving the upper edge of the fill-in grid (3). The upright post has side-slits (4) receiving the vertical edge of the fill-in grid (3). The hollow components are made of stainless steel, galvanised steel, aluminium, plastic wood or similar.

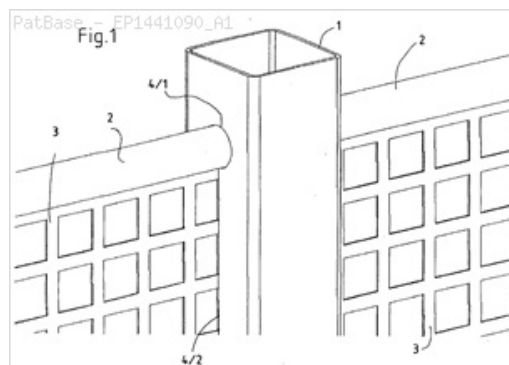
Classifications:

International (IPC 8-9): E04F11/18 E04H17/16 (Advanced/Invention);
E04F11/18 E04H17/16 (Core/Invention)

International (IPC 1-7): E04F11/18 E04H17/14 E04H17/16

CPC: E04F11/1851 E04H17/161

European: E04F11/18F6 E04H17/16A



Family:

Publication number	Publication date	Application number	Application date
DE20300712 U1	20030430	DE20032000712U	20030116
EP1441090 A1	20040728	EP20040000791	20040116

Priority:

DE20032000712U 20030116

Probable Assignee: HERMAN MATTHIAS

Assignee(s): (std): HERMANN MATTHIAS ; HERMAN MATTHIAS

Inventor(s): (std): HERMANN MATTHIAS

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Abstract: Source: DE8802371U1 [DE] (Claim 1) 1.) Zusammenschraubbare Spindeltreppe, dadurch gekennzeichnet, dass Stufenelemente, aus einem äusseren Rahmen z. B. aus Flachstahl (hochkant) der so geformt ist, dass im inneren Bereich z. B. aus gleichem Material (hochkant oder auch flach) Stäbe eingeschweisst sind, dass sich eine Roste ergibt (5). Im äusseren Bereich ist sie um die Spindel herumgeführt, wobei zur Roste hin zwei Löcher zur Aufnahme der Klemmschrauben sind (1). Im Bereich des Splaenderverlaufes, ist eine Lasche zur Aufnahme des Gelaenderelementes (2) (= Stufe hinterer Bereich). Der vordere Bereich hat ein Loch, welches zur Schraubenverbindung der nächsten Stufe dient (3). Das Gelaenderelement dient zur Aussteifung der Treppe, es verbindet im äusseren Bereich die Stufenelemente miteinander. Der obere Bereich ist zur Aufnahme des Handlaufes (4).

Machine translation: (Claim 1) 1) Collapsible staircase, characterized in that step elements from an external frame, for example, made of flat steel (vertical) which is shaped so that in the interior region, for example, from the same material (upright or too flat) Stäbe welded are that a Roste result (5). In the outer region it is wound around the spindle, which grates on me-down two holes zurAufnahme the terminal screws are (1). In the area of the Splaender history, a strap to hold the Gelaenderelement (2) (= stage rear). The front portion has a hole, which serves to connect the screws next few stage (3). This serves to Gelaenderelement from stiffening of the stairs, it combines the steps in the outer region elements. The upper level is to hold the handrail (4).

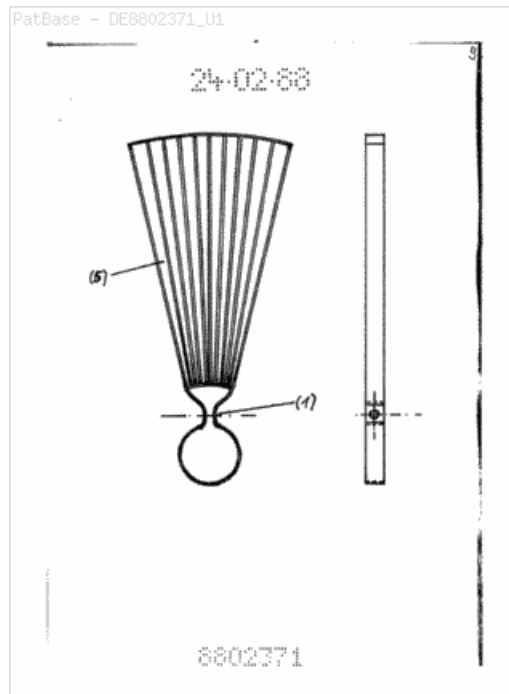
Classifications:

International (IPC 8-9): E04F11/032 (Advanced/Invention);
E04F11/02 (Core/Invention)

International (IPC 1-7): E04F11/12

CPC: E04F11/032

European: E04F11/02B3 E04F11/032



Family:

Publication number	Publication date	Application number	Application date
DE8802371 U1	19880721	DE19880002371U	19880224

Priority:

DE19880002371U 19880224

Probable Assignee:

ALT MANFRED 4992 ESPELKAMP DE

Assignee(s):

ALT MANFRED 4992 ESPELKAMP DE

23) Family number: 63988968 (DE202016005249U1)

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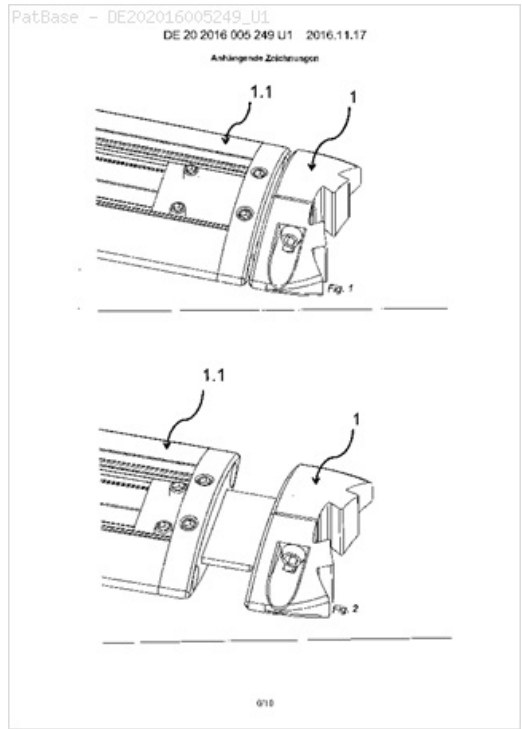
Title: BALKON-TERASSEN-GEÄNDER MODULAR IN ALUMINIUM BALCONY PATIO RAILINGS IN ALUMINIUM MODULAR (Machine translation)

Abstract: Source: DE202016005249U1 [DE] Gelaendersystem „Unitiv“ dadurch gekennzeichnet, das sich an den Befestigungsseiten der Gelaenderprofile (1.1) Laengsverschiebbare Hauptverbinder (1) befinden (oben und unten). (1 + 2/Seite 3) **Machine translation:** Railing system "Unitiv" characterised the mounting side of the railing (1.1) Laengsverschiebbare main connector (1) are (top and bottom). (1 2 / 3 page)

Classifications:

International (IPC 8-9): E04F11/18 (Advanced/Invention)

CPC: E04F11/1834 E04F2011/1825 E04F2011/1889



Family:

Publication number	Publication date	Application number	Application date
DE202016005249 U1	20161117	DE201620005249U	20160829

Priority:

DE201620005249U 20160829

Probable Assignee:

DOERING MARTIN

Assignee(s): (std):

DOERING MARTIN

Assignee(s):

DOERING

24) Family number: 684376 (FR2094963A)

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Abstract: Source: FR2094963A [FR] [Source: Claim 1] 1. Support porte-outils pour escabeaux caracterise par un appareil pouvant se fixer au sommet du garde-corps 1 de l'escabeau; cet appareil constitue par une tole d'aluminium 2 repliee suivant une courbe demi-circulaire, dont les deux branches devenues paral leles, sont inegales, mais forment ainsi un manchon 2 ouvert. Revendication 2 Ce manchon 2 est caracterise du cote face par une applique en bois 3 fixee sur la branche longue du manchon 2 et du cote exterieur par une traverse 9 fixee sur la branche courte en haut de la partie droite du manchon **Machine translation:** [Source: Claim 1] 1. Support Tool holders for stools characterized by an apparatus which can be fixed to the top of the guardrail 1 of the ladder; this apparatus consists of a sheet of aluminum 2 folded in a curve semicircular shape, the two arms of which become paral raised, are unequal, but thus form a sleeve 2 open. Claim 2 This sleeve 2 is characterized the side face by a wooden applied 3 attached to the branch of the long sleeve 2 and the outer side by a crosspiece 9 attached to the branch at the top of the right-hand part of the sleeve short

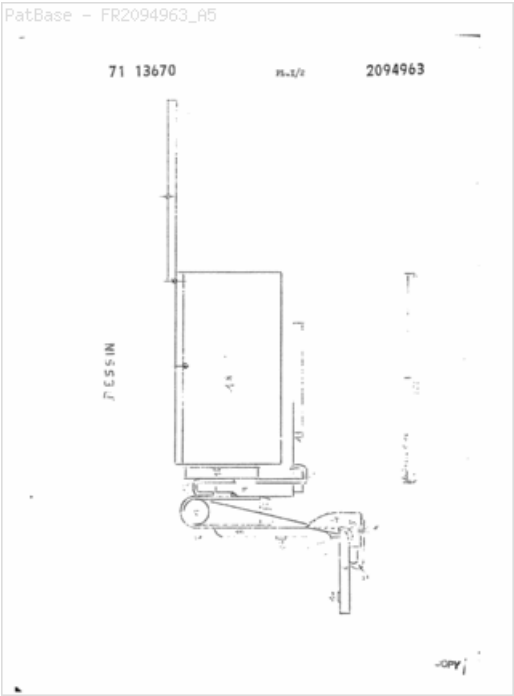
Classifications:

International (IPC 8-9): B44D3/14 (Advanced/Invention);
B44D3/12 (Core/Invention)

International (IPC 1-7): B05C21/00 B44D3/00

CPC: B44D3/14

European: B44D3/14



Family:

Publication number	Publication date	Application number	Application date
FR2094963 A5	19720204	FR19710013670	19710419

Priority:

FR19710013670 19710419

Probable Assignee:

ECHAVIDRE ANTOINE

Assignee(s): (std):

ECHAVIDRE ANTOINE